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**Fermentative prodn. of L-arginine - by incubation of microorganism of
genus Brevibacterium or Corynebacterium**

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Patent Family:

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Patent Details:

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JP 57005692	A		4		

Abstract (Basic): JP 57005692 A

L-Arginine (I) is produced by incubation of microorganism (II) of genus Brevibacterium or Corynebacterium, being resistant against cpd. (III) having vitamin-P activity and being able to accumulate (I); and collection of (I) from culture medium. Prodn. efficiency is high.

Examples of (II) are Brevibacterium divaricatum, Brevibacterium flavum, Brevibacterium lactofermentum, Corynebacterium glutamicum, etc. As (III), acenocoumarin, apiin, coumetarol, cyclocumarol, dicumarol, etc. prepd. Typically (II) is incubated in culture medium composed of 2 g/dl glucose; 0.1 g/dl KH₂PO₄; 0.04 g/dl MgSO₄.7H₂O; 1.0 mg/dl FeSO₄.7H₂O, etc. As carbon source, glucose, sucrose, and starch-hydrolysed prods. are used. As nitrogen source, ammonia gas, ammonia-water, ammonium salt and urea are suitable. The incubation is performed at 25-37 deg.C at pH 4-8 for 1-7 days.

Title Terms: FERMENTATION; PRODUCE; ARGININE; INCUBATE; MICROORGANISM;
GENUS; BREVIBACTERIUM; CORYNEBACTERIUM

Derwent Class: B05; D16; E16

International Patent Class (Additional): C12P-013/10; C12R-001/13

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